

K-FLEX ST



### K-FLEX ST

- ▶ ELASTOMERIC INSULATION FOR ALL CIVIL AND INDUSTRIAL APPLICATIONS
- ▶ HIGH PERFORMANCE FOR ALL APPLICATIONS IN A TEMPERATURE RANGE FROM -200 °C TO +110 °C
- ▶ PREVENTS THE RISK OF CONDENSATION AND IMPROVES ENERGY SAVING
- ▶ CLASS OF REACTION TO FIRE EUROCLASS BL-S2, D0
- ▶ VERY FINE CLOSED CELLULAR STRUCTURE AND HIGH TECHNICAL PERFORMANCE
- ▶ RESISTANT TO MOULD, FUNGI AND BACTERIA
- ▶ LIGHT AND FLEXIBLE

> Site <



> Video <



> App. Manual <





Property	Value	Test method										
<b>Temperature range</b>	K-FLEX ST Tubes: from -165 °C* to +110 °C K-FLEX ST/SK: from -40 °C to +85 °C	EN 14706 EN 14707										
<b>Thermal conductivity <math>\lambda</math> W/(m*K)</b>	<table border="1"> <thead> <tr> <th>Thicknesses <math>\leq</math> 25mm</th> <th>Thicknesses <math>&gt;</math> 25mm</th> </tr> </thead> <tbody> <tr> <td>-20 °C = 0,031</td> <td>-20 °C = 0,034</td> </tr> <tr> <td>0 °C = 0,033</td> <td>0 °C = 0,036</td> </tr> <tr> <td>+20 °C = 0,035</td> <td>+20 °C = 0,038</td> </tr> <tr> <td>+40 °C = 0,037</td> <td>+40 °C = 0,040</td> </tr> </tbody> </table>	Thicknesses $\leq$ 25mm	Thicknesses $>$ 25mm	-20 °C = 0,031	-20 °C = 0,034	0 °C = 0,033	0 °C = 0,036	+20 °C = 0,035	+20 °C = 0,038	+40 °C = 0,037	+40 °C = 0,040	EN 13787 EN ISO 8497
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<b>Corrosion problems</b>	pH neutral (7 $\pm$ 0,5)	EN 13468										
<b>Permeability <math>\mu</math></b>	$\geq$ 10000 $\geq$ 7000	EN 12086										
<b>Fire</b>	K-FLEX ST TUBI Thickness up to 50 mm: Euroclass B <sub>L</sub> -s2, d0 Thickness over 50 mm: Euroclass B <sub>L</sub> -s3, d0 K-FLEX ST/SK: Euroclass B <sub>L</sub> -s2, d0 Class 0	EN 13501-1 EN 13501-1 EN 13501-1 BS 476 Part 6/7										

\* For industrial applications, product can be applied down to -198°C; for applications below -40°C please contact our technical department.

**K-FLEX** reserves the right to change data and technical requirements without notice.

**TECHNICAL DATA ▶ K-FLEX ST SHEETS**



Property	Value	Test method										
<b>Temperature range</b>	K-FLEX ST Sheets: from -165 °C* to +85 °C	EN 14706 EN 14707										
<b>Thermal conductivity <math>\lambda</math> W/(m*K)</b>	<table border="1"> <thead> <tr> <th>Thicknesses <math>\leq</math> 25mm</th> <th>Thicknesses <math>&gt;</math> 25mm</th> </tr> </thead> <tbody> <tr> <td>-20 °C = 0,031</td> <td>-20 °C = 0,034</td> </tr> <tr> <td>0 °C = 0,033</td> <td>0 °C = 0,036</td> </tr> <tr> <td>+20 °C = 0,035</td> <td>+20 °C = 0,038</td> </tr> <tr> <td>+40 °C = 0,037</td> <td>+40 °C = 0,040</td> </tr> </tbody> </table>	Thicknesses $\leq$ 25mm	Thicknesses $>$ 25mm	-20 °C = 0,031	-20 °C = 0,034	0 °C = 0,033	0 °C = 0,036	+20 °C = 0,035	+20 °C = 0,038	+40 °C = 0,037	+40 °C = 0,040	EN 13787 EN 12667
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<b>Permeability <math>\mu</math></b>	$\geq$ 10000 $\geq$ 7000	EN 12086										
<b>Fire</b>	K-FLEX ST Sheets: Euroclass B-s3, d0 Class 0	EN 13501-1 BS 476 Part 6/7										

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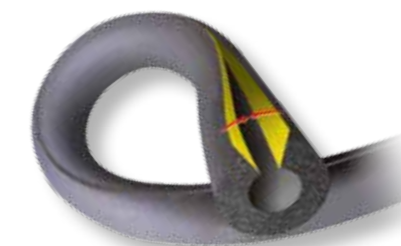
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**RANGE ▶ K-FLEX ST**



**K-FLEX ST TUBES**

**K-FLEX ST** products meet all the requirements demanded by civil and industrial refrigeration, air conditioning, plumbing, insulation of tanks, fittings, water pipes and all other applications that need thermal insulation.



**K-FLEX ST/SK TUBES**

**K-FLEX ST/SK** is a cut-to-length self-seal elastomeric insulation. This innovative technology includes adhesive tapes which are quick and easy to use for the installer. This new system has been developed to save on installation time and reduce the use of other adhesives to improve working conditions at the construction site.



**K-FLEX ST SHEETS**

**K-FLEX ST SHEETS** are ideal for sheet metal ducts and large size pipes. The height of 1000/1500 mm minimises segmentation of the coating and simplifies installation, greatly reducing time and labour cost. Available in standard and adhesive.

**PRODUCT RANGE ▶ K-FLEX ST**

	LENGTH	THICKNESSES	DIAMETERS
<b>K-FLEX ST</b> - Tubes	2 m	6-9-13-19-25-32 40-50-60 mm	from 6 to 210 mm
<b>K-FLEX ST/SK</b> - Adhesive tubes	2 m	9-13-19-25-32 mm	from 12 to 114 mm

	THICKNESSES	HEIGHT
<b>K-FLEX ST</b> - Sheets	3-6-10-13-16-19-25-32-40-50-60 mm	1000/1500 mm
<b>K-FLEX ST</b> - Adhesive sheets	3-6-10-13-16-19-25-32-40-50 mm	1000/1500 mm



**PROJECTS ▶ K-FLEX ST**

**Germany**

